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BEFORE THE ARIZONA CORPORATION COMMISSION

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DOUG LITTLE
ANDY TOBIN

Arizona Corporation Commission

DOCKETED

APR 27 2017

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IN THE MATTER OF THE
APPLICATION OF ARIZONA PUBLIC
SERVICE COMPANY FOR A HEARING
TO DETERMINE THE FAIR VALUE OF
THE UTILITY PROPERTY OF THE
COMPANY FOR RATEMAKING
PURPOSES, TO FIX A JUST AND
REASONABLE RATE OF RETURN
THEREON, TO APPROVE RATE
SCHEDULES DESIGNED TO DEVELOP
SUCH RETURN.

DOCKET # E-01345A-16-0036

**SUMMARY OF DIRECT
SETTLEMENT TESTIMONY OF
ERIK S. ANDERSON, P.E. WITNESS
ON BEHALF OF WARREN
WOODWARD**

IN THE MATTER OF FUEL AND
PURCHASED POWER PROCUREMENT
AUDITS FOR ARIZONA PUBLIC
SERVICE COMPANY

DOCKET # E-01345A-16-0123

Erik S. Anderson, P.E., Witness in the above-referenced proceeding on behalf of
Intervenor Warren Woodward, hereby submits his Summary of Direct Settlement

Testimony.

I have witnessed and analyzed the effects of the use of a Smart Meter on the incoming electrical power voltage waveform. The Smart Meter, when transmitting data, causes a significant amount of noise on the incoming electrical power. Power is delivered at 60 Hz. The Smart Meter causes much higher frequencies to be imposed on the 60 Hz sinusoidal wave. When the Smart Meter transmits information, there is a significant increase of the noise observed on the 60 Hz sinusoidal waveform. There were significant increases in the noise in the range of 2 to 50 kHz, or 2,000 to 50,000 cycles per second.

RESPECTFULLY SUBMITTED this 27th day of April, 2017.

By: /s/ Erik S. Anderson

Erik S. Anderson, P.E., C.F.E.I.
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Phoenix, AZ 85040

Original and 13 copies of the
foregoing hand-delivered
this 27th day of April, 2017 to: Arizona Corporation Commission, Attn: Docket Control
Center, 1200 W. Washington, Phoenix, AZ 85007

Copies of the foregoing
mailed/e-mailed this 27th
day of April, 2017 to: Docket Service List

By,



Warren Woodward
200 Sierra Rd.
Sedona, AZ 86336